

ABSTRACTALTERNATING CURRENT MACHINES

5 An AC generator comprises a rotor 25 within a
stator 24. The rotor carries a fan 27 at one end of
the stator. The fan 27 is within a casing 30 which
forms volute discharge passages 32. The fan 27 has
10 blades 31 which project from the hub 28 at an angle
which is oblique to the radial whereby those blades 31
trail the radial. The stator windings 23 form terminal
leads 34 which are led from the end of the stator 24
remote from the fan 27. A circumferential array of
15 cleats 35 which each have the form of a comb, support
and guide the terminal leads 34 circumferentially,
spaced from one another, to a certain location at the
top from which the leads are taken and connected to
terminals above. Those terminals are formed by the
lower ends of busbars (56 to 58, 61 to 69) which
20 extend through and which are supported by a structural
panel of insulating material which forms an insulating
barrier between the ends of those busbars. The upper
end of each of those busbars forms the power output
terminals U, V and W and the neutral terminals of the
25 machine.

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